

ABSTRACT

Transmitter frequency locking across a full duplex communications link. An offset in one transmitter results in an offset at the corresponding receiver. That receiver offset shifts its transmitter in a corresponding manner, causing a correcting offset in the first receiver, which is used to correct the first transmitter. A first embodiment uses filtered received frequency information derived from a baseband demodulator to correct transmitter frequency. A second embodiment uses filtered frequency information from a frequency detector to correct transmitter frequency.

10